

40. The memory monitor of claim 39 wherein said telephone number is a seven-digit number with punctuation intermediate the third and fourth digits.

41. The memory monitor of claim 39 wherein said telephone number is a ten-digit number in the common format of a long distance telephone number.

42. The memory monitor of claim 41 wherein the common format is

"- - - - -"
or
"(- - -) - - - - -".

43. The memory monitor of claim 38 wherein said data entry means comprises a plurality of numbered buttons.

44. The memory monitor of claim 37 wherein said means for testing comprehension of said randomly generated data comprises means for displaying said randomly generated data on said display means, and means for comparing said randomly generated data with first new data entered by the user on said data entry means while said randomly generated data is displayed on said display means and for displaying correct data in said first new data on said display means in alignment with said randomly generated data displayed.

45. The memory monitor of claim 44 additionally comprising means, operative only if an error was made, for clearing said display means of any of said data and then restarting said comprehension test means.

46. The memory monitor of claim 44 additionally comprising means, operative only if an error was made, for indicating an error was made on the last datum entered by the user on said data entry means and for providing the user another opportunity to enter the correct datum.

47. The memory monitor of claim 37 wherein said means for testing the immediate recall of said randomly generated data comprises means for clearing said display means of any of said data while displaying on said display means the common format of said randomly generated data; means for displaying on said display means second new data entered by the user on said data entry means; means for comparing said second new data entered by the user with said randomly generated data and drawing attention to any errors made by the user; and means, operative only if an error was made, for clearing said display means of said second new data and restarting said comprehension test means.

48. The memory monitor of claim 47 additionally including means for calculating and displaying on said display means a score reflecting the user's performance on the immediate recall testing means.

49. The memory monitor of claim 48 wherein said calculating means divides the number of digits correctly entered by the user as said second new data on said immediate recall test by the total number of digits in said randomly generated number.

50. The memory monitor of claim 37 additionally including means for calculating and displaying on said display means a score reflecting the user's performance on the immediate recall testing means.

51. The memory monitor of claim 37 additionally including means for calculating and displaying on said display means scores reflecting the user's performance on the comprehension testing means and the immediate recall testing means, separately, each of said scores representing the number of data units correctly entered during each test as a percentage of the total number of

data units in the randomly generated data times the number of tests.

52. The memory monitor of claim 37 additionally including means for calculating scores reflecting both the number of new data units copied or recalled on each trial and the number of trials needed to copy or recall all of the data units in correct serial order.

53. The memory monitor of claim 52 wherein said calculating means determines scores separately for copying and immediately recall, with each score representing the cumulative number of new data units copied or recalled on each trial up to and including the first completely correct trial, weighted by dividing the number of new data units of copying or immediate recall by factors taking into account the number of trials needed.

54. The memory monitor of claim 53 wherein said calculating means determines recall scores which take into account any additional copying needed by counting trials from the first copy trial.

55. A cognometer comprising in combination in a single portable device:

- (A) a memory monitor according to claim 37;
- (B) a concentration monitor; and
- (C) means for actuating one of said monitors at a time.

56. A method of monitoring concentration comprising the steps of:

- (A) randomly generating a long multi-character data and displaying said randomly generated data on a display means;
- (B) testing the user's comprehension of said randomly generated data by requiring the user to enter said randomly generated data on data entry means while displaying said randomly generated data and a position cue on the display means;
- (C) only if the user comprehends said randomly generated data, testing the concentration of the user by requiring the user to enter said randomly generated data on the data entry means while said randomly generated data is displayed on the display means without any position cue; and
- (D) only if the user has failed such concentration test, restarting the concentration testing.

57. A memory monitor comprising:

- (A) display means;
- (B) means for entering data;
- (C) means for generating data and displaying said generated data in a common format on said display means;
- (D) means for testing the user's comprehension of said generated data; and
- (E) means, operative only if the user comprehends said generated data, for testing the immediate recall by the user of said generated data.

58. The memory monitor of claim 57 additionally including means, operative only if the user has immediate recall of said generated data, for testing the delayed recall by the user of said generated data.

59. A method of monitoring memory comprising the steps of:

- (A) generating data and displaying said generated data in a common format on a display means;
- (B) testing the user's comprehension of said generated data;
- (C) only if the user comprehends said generated data, testing the immediate recall by the user of said generated data; and
- (D) only if the user has immediate recall of said generated data, testing the delayed recall by the user of said generated data.

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